

Changzhu Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1074250/publications.pdf>

Version: 2024-02-01

37
papers

794
citations

567281

15
h-index

580821

25
g-index

37
all docs

37
docs citations

37
times ranked

709
citing authors

#	ARTICLE	IF	CITATIONS
1	H_{∞} Filtering For Nonlinear Discrete-Time Systems Subject to Quantization and Packet Dropouts. IEEE Transactions on Fuzzy Systems, 2011, 19, 353-365.	9.8	111
2	Event-Triggered Nonsynchronized H_{∞} Filtering for Discrete-Time T-S Fuzzy Systems Based on Piecewise Lyapunov Functions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2330-2341.	9.3	91
3	A Novel Fuzzy Observer-Based Steering Control Approach for Path Tracking in Autonomous Vehicles. IEEE Transactions on Fuzzy Systems, 2018, , 1-1.	9.8	76
4	A Model-Free Control Strategy for Vehicle Lateral Stability With Adaptive Dynamic Programming. IEEE Transactions on Industrial Electronics, 2020, 67, 10693-10701.	7.9	63
5	Reliable Output Feedback Control for T-S Fuzzy Systems With Decentralized Event Triggering Communication and Actuator Failures. IEEE Transactions on Cybernetics, 2017, 47, 2592-2602.	9.5	59
6	T-S fuzzy-model-based piecewise output feedback controller design for networked nonlinear systems with medium access constraint. Fuzzy Sets and Systems, 2014, 248, 86-105.	2.7	44
7	A novel dropout compensation scheme for control of networked T-S fuzzy dynamic systems. Fuzzy Sets and Systems, 2014, 235, 44-61.	2.7	44
8	Architecture Design and Implementation of an Autonomous Vehicle. IEEE Access, 2018, 6, 21956-21970.	4.2	42
9	Distributed Adaptive Event-Triggered Control and Stability Analysis for Vehicular Platoon. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1627-1638.	8.0	35
10	A New Design of Membership-Function-Dependent Controller for T-S Fuzzy Systems Under Imperfect Premise Matching. IEEE Transactions on Fuzzy Systems, 2019, 27, 1428-1440.	9.8	30
11	Reachable Set Estimation for Discrete-Time Singular Systems. Asian Journal of Control, 2017, 19, 1862-1870.	3.0	29
12	Multi-Layered CPG for Adaptive Walking of Quadruped Robots. Journal of Bionic Engineering, 2018, 15, 341-355.	5.0	26
13	Fuzzy-Model-Based Output Feedback Steering Control in Autonomous Driving Subject to Actuator Constraints. IEEE Transactions on Fuzzy Systems, 2021, 29, 457-470.	9.8	25
14	Finite-Time Dynamic Event-Triggered Distributed H_{∞} Filtering for T-S Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 2476-2486.	9.8	24
15	Observer-based control of positive polynomial fuzzy systems with unknown time delay. Neurocomputing, 2019, 349, 77-90.	5.9	19
16	Robust $\hat{\alpha}$ filtering for vehicle sideslip angle estimation with sampled-data measurements. Transactions of the Institute of Measurement and Control, 2017, 39, 1059-1070.	1.7	15
17	Output Feedback and Stability Analysis of Positive Polynomial Fuzzy Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7707-7718.	9.3	13
18	Leader-Following and Leaderless Consensus of Linear Multiagent Systems Under Directed Graphs by Double Dynamic Event-Triggered Mechanism. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6426-6438.	9.3	12

#	ARTICLE	IF	CITATIONS
19	Nonlinear State Estimation With Multisensor Stochastic Scheduling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3349-3359.	9.3	6
20	Vehicle model based visual-tag monocular ORB-SLAM. , 2017, , .		5
21	Foot Placement Compensator Design for Humanoid Walking Based on Discrete Control Lyapunov Function. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2332-2341.	9.3	5
22	Desired compensation adaptive robust repetitive control of a multi-DoFs industrial robot. ISA Transactions, 2022, 128, 556-564.	5.7	5
23	Fuzzy-model-based H_{∞} dynamic output feedback control with feedforward for autonomous vehicle path tracking. , 2017, , .		4
24	Output Consensus of Heterogeneous Linear Multiagent Systems With Directed Graphs via Adaptive Dynamic Event-Triggered Mechanism. IEEE Transactions on Cybernetics, 2023, 53, 4606-4618.	9.5	3
25	A Telepresence-Guaranteed Control Scheme for Teleoperation Applications of Transferring Weight-Unknown Objects. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1015-1025.	13.1	3
26	State-Feedback Path Tracking Control for Autonomous Vehicle with Sampled-Data Measurements. , 2018, , .		2
27	Fuzzy model-based controller synthesis for networked nonlinear systems with event triggering communication scheme. International Journal of Systems Science, 2019, 50, 379-391.	5.5	1
28	Formation Control Strategy of Multi-agent Systems with Obstacle Avoidance. , 2020, , .		1
29	Data-Based Predictive Control via Multistep Policy Gradient Reinforcement Learning. IEEE Transactions on Cybernetics, 2023, 53, 2818-2828.	9.5	1
30	H_{∞} filtering for networked T-S fuzzy systems with medium access constraint. , 2014, , .		0
31	Event-triggered H_{∞} state feedback controller design of a T-S fuzzy system based on piecewise Lyapunov function. , 2017, , .		0
32	Event-triggered robust H_{∞} state estimation for T-S fuzzy systems via piecewise Lyapunov functions. , 2017, , .		0
33	Event-Triggered Dissipative Control for Discrete-Time T-S Fuzzy Singular Systems Based on PQLF. , 2019, , .		0
34	SPMNet: A light-weighted network with separable pyramid module for real-time semantic segmentation. Journal of Experimental and Theoretical Artificial Intelligence, 0, , 1-12.	2.8	0
35	A GEVP formulation for robust predictor feedback controller design of linear systems with uncertain input delay. International Journal of Systems Science, 2022, 53, 909-921.	5.5	0
36	Bio-inspired Network Optimization Based on Semi-Definite Programming*. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	Deep Reinforcement Learning Based Autonomous Racing Car Control With Priors Knowledge. , 2021, , .		0